

BUSINESS PROBLEMS THAT CAN BE SOLVED BY **MIGRATING TO THE CLOUD**

Learn how strategic cloud implementation
can solve persistent business problems.



Since we first set up shop in the cloud nearly a decade ago, Webapper has reaped many rewards. We need cloud computing because of the numerous individual and business problems that we encounter today. That's why we've evangelized cloud computing, why we exited the traditional data centers, and why we've become an AWS Partner. Cloud computing can be an organization's most reliable resource when it comes to solving business challenges.

Today's large, complex IT environments accrue technical debt as organizations continually build new systems. Cloud migration requires understanding the benefits of the cloud, assessing gaps in existing systems, planning, and then migrating. Migrating a large number of legacy applications to the cloud can be intimidating because of the overall magnitude of change.

Six common application migration strategies are:

Rehosting

commonly known as "lift-&-shift" of existing applications from on-premises to the cloud.

Replatforming

referred to as "lift-tinker-&-shift" where small changes are made to applications to perform better in the cloud.

Repurchasing

switching to a different application.

Rearchitecting

developing an application using cloud-native architecture and features..

Retiring

turning off an application entirely.

Retaining

keeping the 'status quo' application.

Success comes from selecting the right cloud migration approach and proper planning.



Scalability

Business needs can change in an instant. Being able to rapidly expand or scale back on infrastructure creates a significant business advantage.

With on-premises infrastructure, your organization may over- or under-spend, and rapid actions are nearly impossible. Consider the huge amount of time needed for specifying hardware requirements, ordering and paying for computers, shipping and receiving, and then installing and configuring them. It's measured in days or weeks. Contrast that with on-demand infrastructure changes in the cloud in minutes or hours.

Not only is the speed of scalability compelling, but the amount of computing power can be easily adjusted in the cloud to meet demand. Scaling in the cloud is not only nearly instantaneous, but it's virtually limitless.

Mobility

More often than ever, employees need to work at home and on the road. The COVID pandemic taught us that workers must be able to work from almost anywhere. Remote work is best enabled using the cloud.

From data availability to software as a service to mobile device access, cloud environments enable staff to plug in and be productive using a wider range of devices. Mobility helps teams complete jobs and meet customer requirements using a cloud environment. Any application or document stored in the cloud can be instantly accessible. And changes to data and documents are available in real time to other employees or clients with access to them.





Business Rigidity

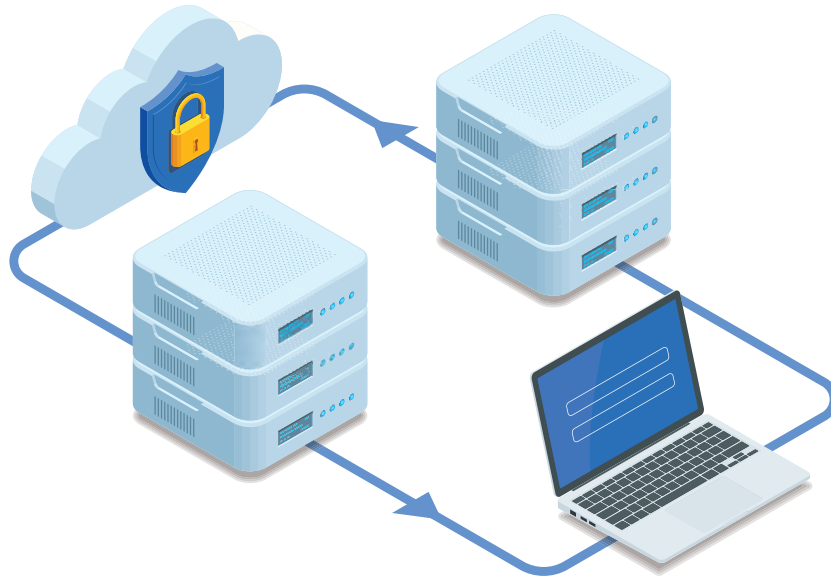
Organizational agility creates major advantages. Being agile means being able to rapidly adapt to market changes and meet emerging opportunities. Agility is similar to the concept of agile project management where teams analyze priorities regularly and tasks are continuously evaluated instead of evaluating outcomes at the end of the project.

Innovation can flourish with experimentation. New ideas can be tested, iterated, and implemented quickly. Removing business rigidity creates opportunities for growth.



Business Continuity

Business continuity entails planning and preparation to ensure operations remain operational during unexpected events. With all the potential risk from force majeure – earthquakes in California, flooding in the American midwest, hurricanes on the east coast – on-premises computing requires more consideration than ever. The cloud offers disaster recovery for on-premises operations, and it also is more resilient for cloud solutions (e.g., redundant cloud environments). Having a business continuity plan and disaster recovery program in place is crucial to every modern organization. Organizations have numerous options for managing business continuity and disaster recovery using cloud resources.



IT Focus

Organizations must allocate resources toward R&D of new solutions, while still being able to manage and secure the organization's IT infrastructure. In cloud computing environments, there should be more resources available for business development, improving the customer experience, and testing new growth strategies. Migrating infrastructure upkeep to cloud service providers enables dedicating internal staff time to core business instead of basic IT maintenance. The old adage is "working *on* the business, not *in* the business."

Cloud-based services also enable companies to implement ready-made solutions for common business needs like accounting, sales, and supply chain management that minimize the time required for developing custom solutions. Cloud integrations further enable needed customization.



IT Costs

Organizations can minimize IT spending by only paying for what they need. Contrast this to building out a private on-premises data center, where they must plan ahead for growth, often leading to over-provisioning that increases initial & ongoing costs. You only pay for the computing resources you use, which lowers upfront costs and minimizes the risk you're taking over time.



Capital Expenditure

Computing costs are fairly predictable in traditional IT environments. Organizations purchase computing capacity in advance, and total cost of ownership is easy to calculate. Cloud computing, in contrast, uses a pay-as-you-go approach, with no upfront capital expense. Machinery and services are available on-demand, and IT costs vary with consumption.

Simply stated, cloud computing requires no capital expenditure. Costs come directly from monthly operating expenses. CapEx investments make more sense when it comes to very long-term goals.



Security

The cloud offers many ways to protect business data. Compromising information stored in the cloud is more difficult than in on-premises facilities. That is, the cloud tends to be safer than using local servers and your own IT team. In addition to the innate security provided by cloud services providers, you can invest in additional cloud security solutions for greater protection.

Because so many organizations are now using cloud environments, service providers have been incentivized to maintain high levels of security to meet the demand.



Aging Technology

Every organization suffers from technical debt. In the early days, we make decisions quickly (and often to save money) that start us with technical challenges. Over time, the debt accumulates. Tools and processes fall out of date – there's simply no way to avoid it. Cloud migration affords the chance to begin paying some of that debt down. Modernizing is one of the compelling arguments for moving to the cloud.

Whether it's rehosting, platforming, repurchasing, or rearchitecting, each path enables you to improve your processes and tools. Aging technology will no longer hinder growth and performance.

Data Sharing & Silos



Data silos are collections of data held by one group that are not easily accessible by other groups in the same organization.

The cloud has emerged as a natural way to centralize data from a variety of sources to make it easily accessible from the office, at home, on the road, or by branch operations. Cloud-native data platforms offer a cost-effective, scalable way to manage data.

Cloud migration facilitates removing data silos. A cloud data integration platform – a single, unified platform – ensures data quality from many sources. Modifying data from the source during a cloud migration ensures consistency of data across systems. Silos cease to be a barrier when data is centralized and optimized.

Compliance

Compliance is about checking the right boxes and ensuring everything works properly to prevent damage in the future. Organizations must have proper procedures in place to meet regulations applicable to their industry, such as ISO, GDPR, PCI DSS, and HIPAA. Cloud service providers like Amazon, Microsoft, and Google regularly undergo independent verification of their security, privacy, and compliance controls. They earn certifications, attestations, and audit reports to demonstrate their compliance.



Such controls strengthen client organizations' compliance and certification programs. In addition, service providers offer many tools to reduce costs and save time to meet specific security assurance requirements.



GDPR & Data Management

GDPR strengthens the rights of individuals: data subjects have greater access to their data, and they have more control over how their data is used. Whatever data storage system you use, you must ensure that the data remains easily accessible and that you have well-documented reasons for processing it.

Cloud customers can use many services to process personal data that is uploaded in compliance with GDPR. In addition to the cloud services' compliance, organizations have access to services and resources specifically built to help them comply with GDPR requirements. New features are added regularly. For example, AWS has over 500 features & services focused on security and compliance.

WEBAPPER BRINGS **EXPERIENCE & INSIGHT** TO CLOUD MIGRATION.

Our comprehensive cloud migration process means you get solutions that work, scale, and thrive. When you need additional resources, it can be more efficient to use an outsourced development team. We've designed our services specifically for businesses like yours. You'll work with a dedicated team of cloud professionals who are experts in migration.



CLOUD NATIVE MINDSET

We have built cloud products and environments that delight users around the world.



INNOVATIVE THINKING

We drive digital innovation with design thinking, rapid prototyping, and iterative development.



EXCEPTIONAL TALENT

Our team can capture your ideas & concerns, then build the best possible solution for you.



BROAD TECHNOLOGY EXPERTISE

We bring full-stack expertise to every system we design and develop.



COST EFFECTIVE

Save valuable time and money by outsourcing. Scale your team to meet changing needs

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